TITLE: PERPENDICULAR MAGNETIC RECORDING

MEDIA

INVENTOR(S): BYUNG-KYU LEE

ATTORNEY'S DOCKET NO: 030681-529 SHEET 1 of 6

FIG. 1 (PRIOR ART)

LUBRICATING LAYER (105)

PROTECTION LAYER (104)

PERPENDICULAR MAGNETIC RECORDING LAYER (103)

PERPENDICULAR ORIENTATION UNDERLAYER (102)

SUBSTRATE (100)

FIG. 2 (PRIOR ART)

LUBRICATING LAYER (205)

PROTECTION LAYER (204)

PERPENDICULAR MAGNETIC RECORDING LAYER (203)

SOFT MAGNETIC LAYER (202)

SUBSTRATE (201)

TITLE: PERPENDICULAR MAGNETIC RECORDING

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FIG. 3

LUBRICATING LAYER (306)

PROTECTION LAYER (305)

SECOND PERPENDICULAR MAGNETIC RECORDING LAYER (304)

FIRST PERPENDICULAR MAGNETIC RECORDING LAYER (303)

PERPENDICULAR ORIENTATION UNDERLAYER (302)

SUBSTRATE (301)

FIG. 4

LUBRICATING LAYER (407)

PROTECTION LAYER (406)

SECOND PERPENDICULAR MAGNETIC RECORDING LAYER (405)

FIRST PERPENDICULAR MAGNETIC RECORDING LAYER (404)

PERPENDICULAR ORIENTATION UNDERLAYER (403)

SOFT MAGNETIC LAYER (402)

SUBSTRATE (401)

TITLE: PERPENDICULAR MAGNETIC RECORDING

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INVENTOR(S): BYUNG-KYU LEE

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FIG. 5

LUBRICATING LAYER (507)

PROTECTION LAYER (506)

SECOND PERPENDICULAR MAGNETIC RECORDING LAYER (505)

INTERMEDIATE LAYER (504).

FIRST PERPENDICULAR MAGNETIC RECORDING LAYER (503)

PERPENDICULAR ORIENTATION UNDERLAYER (502)

SUBSTRATE (501)

FIG. 6

LUBRICATING LAYER (608)

PROTECTION LAYER (607)

SECOND PERPENDICULAR MAGNETIC RECORDING LAYER (606)

INTERMEDIATE LAYER (605)

FIRST PERPENDICULAR MAGNETIC RECORDING LAYER (604)

PERPENDICULAR ORIENTATION UNDERLAYER (603)

SOFT MAGNETIC LAYER (602)

SUBSTRATE (601)

TITLE: PERPENDICULAR MAGNETIC RECORDING

MEDIA

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FIG. 7

LUBRICATING LAYER (706)

DLC PROTECTION LAYER (705)

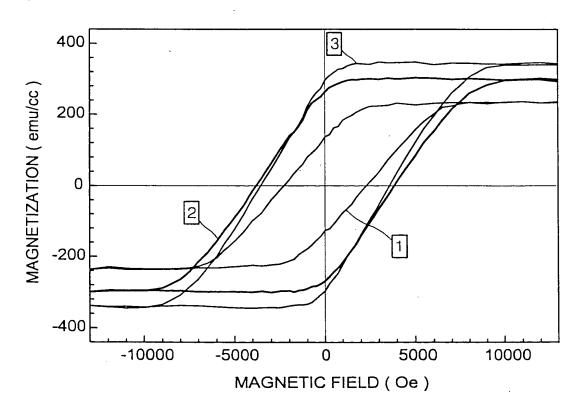
SECOND CoCrBPt PERPENDICULAR MAGNETIC RECORDING LAYER (704)

FIRST CoCrBPt PERPENDICULAR MAGNETIC RECORDING LAYER (703)

TI PERPENDICULAR ORIENTATION UNDERLAYER (702)

SUBSTRATE (701)

FIG. 8

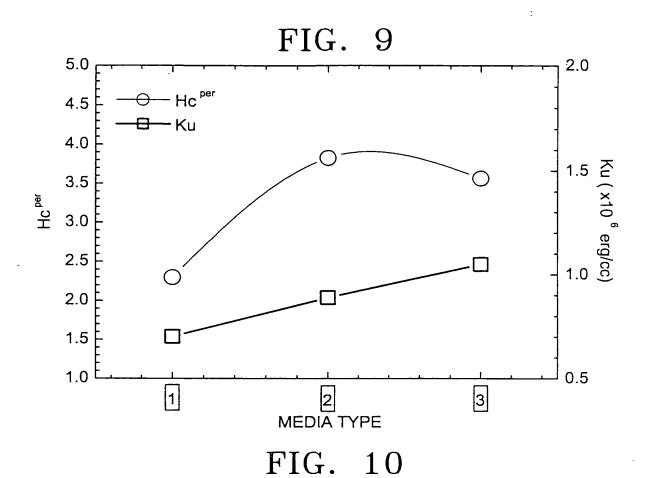


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MEDIA

Inventor(s): Byung-kyu LEE

ATTORNEY'S DOCKET NO: 030681-529 SHEET 5 of 6



100

FREQUENCY (MHz)

150

200

-50

-60

-70 ^L-

DC erase

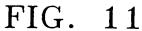
50

TITLE: PERPENDICULAR MAGNETIC RECORDING

MEDIA

INVENTOR(S): BYUNG-KYU LEE

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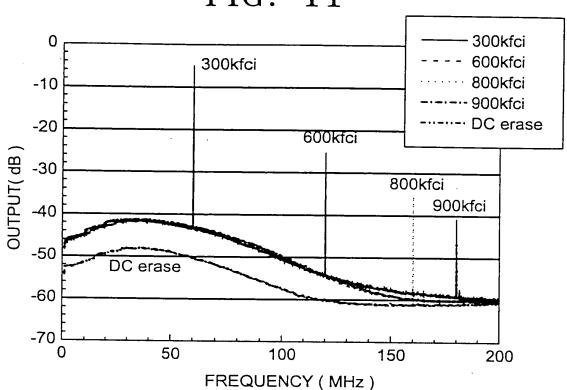


FIG. 12

